UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE 1. REGISTRATION NO. 91-R-0001

1016

FORM APPROVED OMB NO. 0579-0036

ANNUAL REPORT OF RESEARCH FACILITY

(TYPE OR PRINT)

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA, include Zip Code)

UNIVERSITY OF WASHINGTON **BOX 357190** SEATTLE, WA 98195 (206) 543-8047

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, leaching, or experimentation, or held for these purposes. Attach additional sheets if necessary.)

FACILITY LOCATIONS(ales)

See Attached Listing

A. Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes.	C. Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	Number of animals upon which experiments, teaching, research, aurgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drups were used.	E. Number of animals upon which teaching, experiments, research, surgery or tests were conducted involving accompanying peln or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be attached to this report).	F. TOTAL NO. OF ANMALS (Cols. C + D+E)
4. Dogs		30	20		50
5. Cats	4	3			3
6. Guinea Pigs		97	16		113
7. Hamsters	20	46			46
8. Rabbits	28	551	371		922
9. Non-Human Primates	203	769	211		980
10. Sheep		_ 3	21		24
11. Pigs	2	113	175		288
12. Other Farm Animals					
Goats			2		2
13. Other Animals					
Bats	187	44	104		148
Ferrets		10			10
Gerbils	80		120		120

- Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anesthetic, analgesic, and tranquillizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.
- 2) Each orincipal investigator has considered atternatives to painful procedures.
- 3) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the institutional Animal Care and Use Committee (IACUC). A summary of all the exceptions is attached to this annual report, in addition to identifying the IACUC-approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.
- 4) The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use.

-- ------

CERTIFICATION BY HEADQUARTERS RESEARCH FACILITY OFFICIAL
(Chief Executive Officer or Legally Responsible Institutional official)
I nortify that the above is true correct and complete /7 I I C C Cention 24/2)

(AXIG 91)

Interegency Report Control No 0180-DOA-AN

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE

1. REGISTRATION NO. CUSTOMER NO. 91-R-0001 1016

FORM APPROVED OMB NO. 0579-0036

CONTINUATION SHEET FOR ANNUAL REPORT OF RESEARCH FACILITY

(TYPE OR PRINT)

HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA, include Zip Code)
 UNIVERSITY OF WASHINGTON

BOX 357190 SEATTLE, WA 98195 (206) 543-8047

REPORT OF ANIMALS USED BY C A. Animals Covered By The Animal Welfare Regulations	B. Number of snimets being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes.	C. Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.	E. Number of animals upon which teaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analyses, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be attached to this report).	F. TOTAL NO. OF ANIMALS (Gols. C + D + E)
Wild Animals:	· <u></u>				
Big Horn Shee)	12			12
Chipmunks		1	39		40
Gophers		1	3		4
Mice		265	953		1218
Moles		3			3
Mouse Opossum:	A	16			16
Sea Lions		113			113
Shrews		36	99		45
Squirrels		33			33
Tree Squirrels		14			14
Voles		<u>-</u> .	47		47
Weasels		3			3
	<u> </u>				

- Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.
- 2) Each principal investigator has considered alternatives to painful procedures.
- 3) This facility is edhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the institutional Animal Care and Use Committee (IACUC). A summary of all the exceptions is attached to this annual report. In addition to identifying the IACUC-approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.
- 4) The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use.

CERTIFICATION BY HEADQUARTERS	RESEARCH FACILITY OFFICIAL
(Chief Executive Officer or Legaliv Re	esponsible Institutional official)

OBV

(AUG 91)

(Nephrotes To FURIN 18-23 (UCL 88), WHICH IS BUSINES

PART I - HEADQUARTERS

University of Washington Registration # 91-R-0001 Department of Comparative Medicine, Box 357190 November 2003

ATTACHMENT A

FACILITY LOCATIONS:

- 1. Department of Comparative Medicine: Health Sciences Building, Harborview Research and Training
- 2. Center on Human Development and Disability: Bloedel Hall
- 3. Department of Psychology: Guthrie Hall
- 4. Regional Primate Research Center: Health Sciences Building, Western Building
- 5. Department of Zoology: Hitchock Hall, Kincaid Hall
- 6. College of Arts and Sciences: Raitt Hall

University of Washington Registration # 91-R-0001 Department of Comparative Medicine, Box 357190 November 2003

ATTACHMENT B

Institutional Animal Care and Use Committee Approved Exceptions to the Standards and Regulations of the Animal Welfare Act:

Multiple Major Surgery:

- I. Exceptions approved by the University of Washington IACUC and USDA
- A. 1. First craniotomy
 - 2. Second craniotomy, a minimum of 3 months following #1

Species: Non-human primates Number of animals used: 0

- B. 1. First craniotomy
 - 2. Second craniotomy, a minimum of 3 months following #1

Species: Non-human primates Number of animals used: 3

- C. 1. First craniotomy
 - 2. Second craniotomy, a minimum of 3 months following #1

Species: Non-human primates Number of animals used: I

ATTACHMENT B cont.

II. Exceptions approved by the University of Washington IACUC

A. 1. Knee surgery

2. A second surgery may be performed 4 weeks after #1 if the first surgical procedure is compromised

Species: Sheep

Number of animals used: 0

B. 1. Implantation of vascular graft

2. A-V fistula placement, 2 months following #1

Species: Non-human primates Number of animals used: 0

- C. 1. Implantation of vascular graft, balloon injury to one saphenous artery
 - 2. Injury to other saphenous artery, 2 months following #1

Species: Non-human primates Number of animals used: 0

- D. 1. Craniotomy and placement of cranial implants
 - 2. Arm surgery to implant muscle and nerve electrodes, a minimum of 7 days following #1.
 - 3. Laminectomy to place cervical vertebral implant to record from neurons in the spinal cord, a minimum of 7 days following #3.
 - 4. Craniotomy, 2 8 months after #'s 1 and 2 above (in animals with rejected implants)
 - 5. Laminectomy, 2 8 months after #'s 1 and 2 above (in animals with rejected implants)

Species: Non-human primates

Number of animals used: 4

- E. 1. Craniotomy and implantation of cranial chambers
 - 2. Implant wires in arm muscle 4 weeks following #1
 - 3. Craniotomy or laminectomy for tracer injections, a minimum of 4 weeks following #2
 - 4. Craniotomy or laminectomy for tracer injections, a minimum of 2 weeks after #3.
 - 5. Laminectomy to place cervical vertebral implant to record from neurons in the spinal cord, 4 months following a craniotomy for one animal.

Species: Non-human primates Number of animals used: 1

- F. 1. Pancreatectomy
 - 2. Islet transplantation, 3 weeks after 1a

Species: Non-human primates Number of animals used: 1

- G. 1. 1st islet transplant
 - 2. 2nd islet transplant, 3 weeks after #1
 - 3. 3rd islet transplant, 3 weeks after #2

Species: Non-human primates Number of animals used: 0

- H. 1. Thoractomy
 - 2. Islet transplantation 3 weeks after #1

Species: Non-human primates Number of animals used: 0

- I. 1. Thoractomy
 - 2. Kidney transplant, 3 weeks after #1

Species: Non-human primates Number of animals used: 0

- J. 1. Laparotomy for oocyte harvest
 - 2. A 2nd lapratomy may be performed for embryo transfer a minimum of 3 weeks after #1.
 - 3. C-section, a minimum of 2.5 months after #2.

Species: Non-human primates Number of animals used: 0

- K. 1. Partial pancreatectomy and creation of isolated intestinal pouch
 - 2. Laparotomy for islet transplantation, a minimum of 24 hours after #1

Species: Dogs

Number of animals used: 3

- L 1. Eye coil implantation and head holder
 - 2. Chamber (craniotomy) 2 months after #1

Species: Non-human primates Number of animals used: 1

- M. 1. Eye coil placement and implantation of stabilization lugs into the skull
 - 2. Craniotomy a minimum of 3 weeks after #1.

Species: Non-human primates Number of animals used: 0

- N. 1. Placement of TMJ implants and tongue reduction surgery
 - 2. Placement of additional TMJ implants 10 14 days after #1.

Species: Pigs

Number of animals used: 0

- O. 1. Placement of TMJ implants (EMG electrodes, x-ray opaque markers)
 - 2. Tongue reduction surgery, 7 10 days following #1
 - 3. Placement of additional TMJ implants (strain gauges, transducers), 10 14 days following #2.

Species: Pigs

Number of animals used: 0

- P. 1. One surgery to extract teeth and perform osteoplasty
 - 2. Preparation of osteotomy sites and placement of dental implants 9 weeks after #1

Species: Dogs

Number of animals used: 0

Q. 1. Denudation of aorta with Fogarty embolectomy catheter

2. Catheter surgery to deliver light to activate injected compounds 10 weeks after #1.

Species: Rabbits

Number of animals used: 0

- R. 1. Eye coil and head holder
 - 2. Craniotomy, 6 12 months after #1 above
 - 3. Possible chamber repositioning 6 months after craniotomy
 - 4. Possible eye coil replacement 3 12 months after initial eye coil surgery

Species: Non-human primates

Number of animals used: 1

- S. 1. Female cats are spayed
 - 2. Craniotomy 2 months after #1

Species: Cats

Number of animals used: 0

- T. 1. Removal of periosteal flap
 - 2. Implantation of explant into reamed glenoid and humeral head replacement 48 hours 5 days after #1

Species: Rabbits

Number of animals used: 0

- U. 1. Removal of periosteal flap
 - 2. Implantation of periosteal explant 5 7 days after #1

Species: Rabbits

Number of animals used: 0

- V. 1. Placement of maternal-fetal catheters (110 days gestation).
 - 2. C-section at 140, 155, and 160 165 days gestation, i.e. 30, 45, 50 or 55 days after #1

Species: Non-human primates

Number of animals used: 0

- W. 1. Placement of maternal-fetal catheters (115-120 days gestation)
 - 2. C-section at 160-165 days gestation i.e., 45-50 days after #1 above
 - 3. Dam to have femoral catheter removed at 6 wks postpartum

Species: Non-human primates

Number of animals used: 0

- X. 1. Placement of maternal-fetal catheters (60 70 days gestation)
 - 2. C-section (160 165) a minimum of 100 days following #1

Species: Non-human primates

Number of animals used: 0

- Y. 1. Bone marrow aspiration
 - 2. Implantation in the paw of a tissue engineered construct, 3 weeks following #1.
 - 3. Bone ablation and elevation of construct, 6 weeks following #2.

Species: Rabbits

Number of animals used: 0

12-16-63 Interagency Report Control No 0180-DOA-AN

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE 1. REGISTRATION NO. 91-R-0003

CUSTOMER NO. 1017

FORM APPROVED OMB NO. 0579-0038

ANNUAL REPORT OF RESEARCH FACILITY

(TYPE OR PRINT)

sheets if necessary.)

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA, include Zip Code) THE HOPE HEART INSTITUTE

1710 E. JEFFERSON SEATTLE, WA 98122 (206) 903-2001

See Attached Listing					
A. Animals Covered By The Animal Welfare Regulations	OR UNDER CONTROL Of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes.	F RESEARCH FACILITY C. Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drups were used.	Early or use APHIS FORM 7023A) E. Number of animate upon which teaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animate and for which the use of appropriate ansathetic, analysels, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be attached to this report)	F. TOTAL NO. OF ANIMALS (Cots. C+ D+E)
4. Dogs	24		33		33
5. Cats					
6. Guinea Pigs					
7. Harnsters					
8. Rabbits			22		22
9. Non-Human Primates					
10. Sheep					
11. Pigs			4		4
12. Other Farm Animals					
13. Other Animals					
			<u>-</u>		
ASSURANCE STATEMENTS				the state of the s	alternation in
Professionally acceptable a	tandards governing the ca	re, treatment, and use of	enimals, including appropriate us	e of anesthetic, analgesic, and tranquilizing drugs, prior to	, cunng,

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional

FACILITY LOCATIONS(sites)

- 2) Each principal investigator has considered alternatives to painful procedures.
- 3) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the institutional Animal Care and Use Committee (IACUC). A summary of all the exceptions is attached to this annual report. In addition to identifying the IACUC-approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.
- 4) The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other

espects of animal care	and use.		
	CERTIFICATION BY HEADQUARTERS RESEARCH FACI (Chief Executive Officer or Legally Responsible Institu		
		Print)	DATE/SIGNED
APHIS FORM 7023	(Replaces VS FORM 18-23 (Oct 88), which is pheniete	PART 1 -	HEADQUARTERS

(AUG 91)

APHIS Form 7023 Site List

The following sites have been reported by the facility.

Registration Number:

91-R-0003

Customer Number:

1017

Facility:

THE HOPE HEART INSTITUTE

1710 E. JEFFERSON SEATTLE, WA 98122 (206) 903-2001

THE HOPE HEART INSTITUTE 528 - 18TH AVENUE SEATTLE, WA 98122

Interagency Report Control No 03 0180-DOA-AN

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE

1. REGISTRATION NO. 91-R-0009

CUSTOMER NO. 1020

FORM APPROVED OMB NO. 0579-0036

ANNUAL REPORT OF RESEARCH FACILITY

(TYPE OR PRINT)

 HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA, include Zip Code)

EASTERN WASHINGTON UNIVERSITY PRESIDENT'S OFFICE, 214 SHW CHENEY, WA 99004 (509) 359-2371

 REPORTING FACILITY (List all locations where animals were housed or used in actual research sheets if necessary.) 	, teating, teaching, or experimentation, or held for these purposes. Attach additional
FACILITY LOCA	TIONS(sites)
See Attached Listing	

A. Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes.	C. Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthatic, analgesic, or tranquilizing drugs were used.	E. Number of animals upon which teaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, anelgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be attached to this report)	F. TOTAL NO. OF ANIMALS (Cols. C • D + E)
4. Dogs	C				\mathcal{C}
5. Cats	0				0
6. Guinea Pigs	0				0_
7. Hamsters	O				0
8. Rabbits	U				0
9. Non-Human Primates	0				0
10. Sheep	0				_0_
11. Pigs	0				0
12. Other Farm Animals	0				0
13. Other Animals	0				0
				,	

- 1) Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.
- 2) Each principal investigator has considered alternatives to painful procedures.

(AUG 91)

- 3) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all the exceptions is attached to this annual report. In addition to identifying the IACUC-approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.
- 4) The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use.

	ATTENDATION TO LICENSULA DEPARTMENT DE PROPERTIES	
ŀ		THE ACCIONAL
{		
SIGNATL		DATE SIGNED
		11/21/03
		7.72.744
L		
APHIS FORM 7023	(Replaces VS FORM 18-23 (Oct 88), which is obsolete	PART 1 - HEADQUARTERS

APHIS Form 7023 Site List

The following sites have been reported by the facility.

Registration Number: Customer Number:

91-R-0009

1020

Facility: EASTERN WASHINGTON UNIVERSITY

PRESIDENT'S OFFICE, 214 SHW CHENEY, WA 99004 (509) 359-2371

EASTERN WASHINGTON UNIVERSITY 176 SCIENCE BUILDING, 258 SCI **CHENEY, WA 99004**

Interagency Report Control No 0180-DOA-AN

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE

1. REGISTRATION NO. 91-R-0011

CUSTOMER NO. 1021

FORM APPROVED OMB NO. 0579-0036

ANNUAL REPORT OF RESEARCH FACILITY

(TYPE OR PRINT)

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA. include Zip Code)

HOLLISTER-STIER LABORATORIES LLC

N. 3525 REGAL STREET SPOKANE, WA 99207 (509) 489-5656

eets if necessary.)		FA	CILITY LOCATIONS (sites)	or experimentation, or held for these purposes. Attach addition	
Attached Listing					
	CONTROL OF	RESEARCH FACILITY	(Attach additional sheets if neces	E. Number of animals upon which teaching, experiments, research, surgery or tests were	F.
ORT OF ANIMALS USED BY C Animals Covered By The Animal Walfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes.	C. Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.	Number of animals upon which seeks were experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquillizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be attached to this report)	TOTAL NO. OF ANIMALS (Cols. C + D + E)
Dogs .	11710	3			
Cats & MC	ρ _{εν} (b)(6), (b			4103 370/2	4103
Guinea Pigs	7.72	0	0		
Hamsters	ļ	 			
Rabbits		 			
Non-Human Primates					
0. Sheep					_
11. Pigs	_				
12. Other Farm Animals					
13. Other Animals		-			
		+			
		_			

- Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.
- 3) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all the exceptions is attached to this annual report. In addition to identifying the IACUC-approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.
- 4) The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use.

CERTIFICATION BY HEADQUARTERS RESEARCH FACILITY OFFICIAL (Chief Executive Officer or Legally Responsible Institutional official)

I certify that the above is true, correct, and complete (7 U.S.C. Section 2143)

DATE SIGNED

LEADQUARTERS

(AUG 91)

3 1000 g

20

APHIS Form 7023 Site List

The following sites have been reported by the facility.

Registration Number:

91-R-0011

Customer Number:

1021

Facility:

HOLLISTER-STIER LABORATORIES LLC

N. 3525 REGAL STREET SPOKANE, WA 99207

(509) 489-5656

HOLLISTER - STIER LABORATORIES LLC N. 3525 REGAL STREET SPOKANE, WA 99207

Column E Explanation

This form is intended as an aid to completing the Column E explanation. It is not an official form and its use is voluntary. Names, addresses, protocols, veterinary care programs, and the like, are not required as part of an explanation. A Column E explanation must be written so as to be understood by lay persons as well as scientists.

1. Registration Number: 91-R-0011
2. Numberof animals used in this study.
3. Species (common name) Guinea Pigs of animals used in the study.
4. Explain the procedure producing pain and/or distress. The temporary pain of intraperitoneal injection.
5. Provide scientific justification why pain and/or distress could not be relieved. State methods or means used to determine that pain and/or distress relief would interfere with test results. (For Federally mandated testing, see Item 6 below) Guinea pigs are used for the performance of the Food and Drug Administration directed General Safety Test, as defined in 21 CFR Part 610.11. The animals are given an intraperitoneal injection (Part 610.11,c,1) of up to 5mL of a product that is generally regarded as safe and nontoxic. The overt health of the animal is monitored for a seven day period, at which time the test is concluded. Anesthetic analgesic or tranquilizing drugs are not given, as they may interfere with test results. Reactions to the anesthetic might be wrongfully attributed to the test product. In addition, any method used to relieve the pain of an injection would cause further pain and/or distress.
 What, if any, federal regulations require this procedure? Cite the agency, the code of Federal Regulations (CFR) title number and the specific section number (e.g., APHIS, 9 CFR 113.102):
Accept DHHS-FDA CFR 21 CFR 610.11 General Safety

DHHS-FDA

Agency_

001 , 3003

n Jak

Interagency Report Control No 0180-DOA-AN

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE 1. REGISTRATION NO. 91-R-0017

CUSTOMER NO. 1022

FORM APPROVED OMB NO. 0579-0036

ANNUAL REPORT OF RESEARCH FACILITY

(TYPE OR PRINT)

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA, include Zip Code)

WESTERN WASHINGTON UNIVERSITY 516 HIGH STREET - MS 9038 BELLINGHAM, WA 98225-9038

sheets if necessary.)		FA	ACILITY LOCATIONS (sites)	ing, or experimentation, or held for these purposes. Attach addi	
ESTERN WASHINGTON U ILLINGHAM, WA 98225	NIVERSITY				
PORT OF ANIMALS USED BY Animals Covered By The Animal Weifare Regulations	OR UNDER CONTROL OF B. Number of animals being bred. conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes.	RESEARCH FACILITY C. Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	(Attach additional sheets if n D. Number of animals upo which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which approprianesthetic, analgesic, tranquilizing drugs were used.	conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these or	F. TOTAL NO. OF ANIMALS (Cols. C + D + E)
. Dogs					
3. Guinea Pigs 7. Hamsters		2			2
8. Rabbits 9. Non-Human Primates		-			
10. Sheep 11. Pigs					
12. Other Farm Animals					
13. Other Animals					

- Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility. ASSURANCE STATEMENTS
 - 2) Each principal investigator has considered alternatives to painful procedures.
 - 3) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all the exceptions is attached to this annual report. In principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC) as unumary of all the exceptions are until as the specified and explained by the addition to identifying the IACUC-approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.
 - 4) The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other

	addition to identifying the street of	ensured without to ensured	ure the provision of adequate veterinary care and to discuss	100000 mm max 10	
	A) The attending veterinarian for this rese	urch facility has appropriate additionly to ore-	ure the provision of adequate veterinary care and to out to		
	aspects of animal care and use.		UARTERS RESEARCH FACILITY OFFICIAL		1
_		CERTIFICATION BY HEADQI	UARTERS RESEARCH PACIFIC OFFicial)		1
1					80.00
1		Cilies Executive Chies is true.	correct, and complete (7 U.S.C. Section 2143)	0.44	DATE SIGNED
1			TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Ty)	pe or Print)	
١.	THE OF CE O OP INSTITUT	ONAL OFFICIAL NAME &	THE OF O.L.O. OR ME		11/21/2003
					11/21/2000
1				PART 1 - H	EADQUARTERS
	500 8				

Interagency Report Control No 63

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE 1. REGISTRATION NO. 91-R-0018

CUSTOMER NO. 1023

FORM APPROVED OMB NO. 0579-0036

ANNUAL REPORT OF RESEARCH FACILITY

(TYPE OR PRINT)

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA, PIERCE COLLEGE Fort Steilacoom include Zip Code)

9401 FARWEST DRIVE SW LAKEWOOD, WA 98498

	(253) 964-6668
REPORTING FACILITY (List all locations where animals were housed or used in actual research, sheets if necessary.) FACILITY LOCA*	testing, teaching, or experimentation, or held for these purposes. Attach administration
PACILITICON	TIONS (Sites)
See Attached Listing	
Veterinary Technology Dept.	
The state of the s	onal sheets if necessary or use APHIS FORM 7023A)

Animals Covered By The Animal Welfare Regulations	B. Number or animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such	C. Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.	E. Number of animals upon which teaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be attached to this report)	TOTAL NO. OF ANIMALS (Cols. C + D + E)
	purposes.		15	0	15
. Dogs	0	0	15	0	15
5. Cats	0	0	0	0	0
6. Guinea Pigs	0	0		0	0
7. Hamsters	0	0	0	0	0
8. Rabbits	0	0	0		0
9. Non-Human Primates	0	0	0	0	
10. Sheep	0	0	0	0	0
	0	0	0	0	0
11. Pigs Horses 12. Other Farm Animals		3	0	0	3
ν,	0	2	0	0	2
Goats	0	0	0	0	0
13. Other Animals	0				

ASSURANCE STATEMENTS

- 1) Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.
- 2) Each principal investigator has considered alternatives to painful procedures.
- 3) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all the exceptions is attached to this annual report. In addition to identifying the IACUC-approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.

4)	addition to identifying the IACUC-approved exceptions, this sufficiently indeed to ensure the provision of adequate veterinary care and to oversee the adequate strength of this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequate strength of this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequate strength of the provision of adequate veterinary care and to oversee the adequate strength of the provision of adequate veterinary care and to oversee the adequate veterinary care and the veterinary care and to oversee the adequate veterina	Jacy of other	
		nt)	DATE SIGNED
			11/3/03 EADQUARTERS

Interagency Report Control No 0180-DOA-AN

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE 1. REGISTRATION NO. 91-R-0023

CUSTOMER NO. 1024

FORM APPROVED OMB NO. 0579-0036

ANNUAL REPORT OF RESEARCH FACILITY

(TYPE OR PRINT)

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA. CENTRAL WASHINGTON UNIVERSITY include Zip Code)

400 E. 8TH AVENUE **ELLENSBURG, WA 98926** (509) 963-3101

					(509) 963-3101	nal
			al research, t	esting, teaching, or	(509) 963-3101 r experimentation, or held for these purposes. Attach addition	
CONTINUE FACILITY (List all lo	cations where animals w	ere housed or used in acti	Jai rescaron, -			
sheets if necessary.)		FAC	ILITY LOCAT	NONS(sites)		
e Attached Listing			į			
						*
PORT OF ANIMALS USED BY O		V 10 10 10 10 10 10 10 10 10 10 10 10 10			eacy or USB APHIS FORM 7023A)	
	LINDER CONTROL O	RESEARCH FACILITY	Attach additio	nal sheets if neces	E. Number of animals upon which teaching.	F.
PORT OF ANIMALS USED BY O	B. Number of	C. Number of	D. Number	of animals upon periments,	Number of animals upon which were experiments, research, surgery or tests were conducted involving accompanying pain or distress conducted involving accompanying pain or distress and for which the use of appropriate	TOTAL NO. OF ANIMALS
	animals being	animals upon	teaching	research,	Conducted into the the use of appropriate	
Animals Covered	bred.	which teaching, research,	WARRING	or tests were	to the animals and for which the use of support of the animals and for which the draws would anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or have adversely affected the procedures, results, or the teaching, research.	(Cols. C+
By The Animal	conditioned, or held for use in	experiments, or	0000000	ed involving anying pain or	have adversely affected the process	D + E)
Welfare Regulations	teaching, testing,	tests were conducted	Alabanan .	to the snimels	experiments, surgery, or the see in these	
	experiments, research, or	involving no	annethe .	which appropriate tic, analgesic, or	the procedures procesure such drugs were not used	
	eurgery but not	pain, distress, or use of pain-	tranquili	zing drugs were	must be attached to this report)	
	yet used for such purposes.	relieving drugs.	used.			
	parputati	 				
	Ì					
4. Dogs						
5. Cats	ļ					
5. Cats						
6. Guinea Pigs	<u> </u>		+			1
		1				1 3
7. Hamsters		1 3				
	ì	1 3 .				1 4
8. Rabbits		1-11				+
D:	l l	1 4				
9. Non-Human Primates						
	1					1
10. Sheep			1			
11. Pigs						
TI. Figs						
12. Other Farm Animals						
a leade	1					\
13. Other Animals			1			
						1

- 1) Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anesthotic, analgesic, and tranquilizing drugs, prior to, during, and following actual research teaching testing surgery or experimentation were followed by this research facility. ASSURANCE STATEMENTS Processionary acceptance statusards governing the care, treatment, and use or annuals, including appropriate date of an acceptance status and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.
 - 3) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the institutional Animal Care and Use Committee (IACUC). A summary of all the exceptions is attached to this annual report. In addition to identifying the IACUC-approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.
 - 4) The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use. CERTIFICATION BY HEADQUARTERS RESEARCH FACILITY OFFICIAL

	DESEARCH FACILITY OFFICE
OFFITIEICATION BY	HEADQUARTERS RESEARCH FACILITY OFFICE
CERTIFICATION OF	HEADQUARTERS RESEARCH 1 HEADQU
WHIST PERCULIAGO	most and a second of the secon

IEADQUARTERS

DATE SIGNED

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE 1. CERTIFICATE NUMBER: 91-R-0025 CUSTOMER NUMBER: 1025

FORM APPROVED OMB NO. 0579-0036

ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT)

Fred Hutchinson Cancer Research Center 1100 Fairview Ave. North; Ms Be-114 P. O. Box 19024 Seattle, WA 98109

Telephone: (206) -667-4558

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, or experimentation, or held for these purposes. Attach additional sheets if necessary)

FACILITY LOCATIONS (Sites) - See Atached Listing

Animals Covered By The Animal Welfare Regulations		Number of animal being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not ye used for such purposes.		Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use or pain-relieving drugs.		Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals an for which appropriate anesthetic, analysisic, or tranquilizing drugs were used.	E	Number of animals upon which teaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for white use of appropriate anesthetic, analgesic, or tranquiliz drugs would have adversely affected the procedures, resor interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reask such drugs were not used must be attached to this report	F. TOTAL NUMBE OF ANIMALS (COLUMN C + D + E
. Dogs	 	62	Ī	17		237			254
i. Cats		0.4							
6. Guinea Pigs	<u> </u>								
. Hamsters							\bot		
. Rabbits							\perp		
). Non-human Primates					_		-		
0. Sheep							\perp		
1. Pigs					_			· · · · · · · · · · · · · · · · · · ·	
2. Other Farm Animals					\perp		+		
2					_		+		
3. Other Animals					1		+		
10					1		+		
		5			_		_ -	<u> </u>	-

ASSURANCE STATEMENTS

- 1) Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anestetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research teaching, testing, surgery, or experimentation were followed by this research facility.
- 2) Each principal investigator has considered alternatives to painful procedures.
- 3) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and appropriate in the standards and regulations and regulations are required that exceptions is attached to this annual report. In addition to identifying the IACUC-approved exceptions, this summary in his following the propriate of the exceptions are unit to the exceptions are unit to the exceptions. brief explanation of the exceptions, as well as the species and number of animals affected.

	oriel experience of adequate veterinary care and to oversee the adequacy	of other aspects or animal care and use.
4)	The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy	
	CERTIFICATION BY HEADQUARTERS RESEARCH FACILITY OFFICIAL	
		DATE/SIGNED
SK		In b ha
		V0 00
API		P2
	(AUG 91)	

APHIS Form 7023 Site List

The following sites have been reported by the facility.

Registration Number:

91-R-0025

Customer Number:

1025

Facility:

FRED HUTCHINSON CANCER RESEARCH CENTER

1100 FAIRVIEW AVE. NORTH; MS BE-114

P. O. BOX 19024 SEATTLE, WA 98109 (206) 667-4558

FRED HUTCHINSON CANCER RESEARCH CENTER 1100 FAIRVIEW AVE. N 1124 COLUMBIA ST. SEATTLE, WA 98104 SEATTLE, WA 98109

Interagency Report Control No / V(Y/U) 0180-DOA-AN

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE 1. REGISTRATION NO. 91-R-0030

CUSTOMER NO. 1028

FORM APPROVED OMB NO. 0579-0036

ANNUAL REPORT OF RESEARCH FACILITY

(TYPE OR PRINT)

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA, include Zip Code)

VMRD, INC. P. O. BOX 502 PULLMAN, WA 99163 (509) 334-5815

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional sheets if necessary.)

FACILITY LOCATIONS(sites)

See Attached Listing

A. Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes.	C. Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.	Early or use APHIS FORM 7023A) E. Number of animals upon which teaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be attached to this report)	F. TOTAL NO. OF ANIMALS (Cols. C + D + E)
4. Dogs					
5. Cats					
6. Guinea Pigs					
7. Hamsters					
8. Rabbits					
9. Non-Human Primates					
10. Sheep		11			11
11. Pigs		7			7
12. Other Farm Animals			ļ		
Horses		6			6
13. Other Animals					2
Goats		2			

1) Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.

- 2) Each principal investigator has considered alternatives to painful procedures.
- 3) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all the exceptions is attached to this annual report. In addition to identifying the IACUC-approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.
- 4) The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use.

CERTIFICATION	BY HEADQUARTERS RESEARCH FACILITY OFFI	CIA
(Chief Executiv	Officer or Legally Responsible Institutional officer	cial)

I certify that the above is true, correct, and complete (7 U.S.C. Section 2143)

DATE SIGNED

10/02/03

ADQUARTERS

(AUG 91)

APHIS Form 7023 Site List

The following sites have been reported by the facility.

Registration Number: **Customer Number:**

91-R-0030 1028

Facility:

VMRD, INC. P. O. BOX 502

PULLMAN, WA 99163

(509) 334-5815

VMRD, INC.

4641 PULLMAN-ALBION RD./4202 WAWAWAI PULLMAN RD. PULLMAN, WA 99163

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE 1. REGISTRATION NO. 91-R-0033

CUSTOMER NO. 1031

FORM APPROVED OMB NO. 0579-0036

ANNUAL REPORT OF RESEARCH FACILITY

(TYPE OR PRINT)

2. HEADQUARTERS RI	SEARCH FACILITY (Name ar	nd Address, as registered with USDA
include Zip Code)	TOTAL CENETICS INC	

ZYMOGENETICS, INC. 1201 & 1208 EASTLAKE AVENUE EAST SEATTLE, WA 98102

(206) 442-6775 3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional FACILITY LOCATIONS(sites) See Attached Listing

. Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes.	C. Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.	Sary or use APHIS FORM 7023A) E. Number of animals upon which teaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthutic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be attached to this report)	F. TOTAL NO. OF ANIMALS (Cols. C + D + E)
4. Dogs					
5. Cats			164		164
6. Guinea Pigs			101		
7. Hamsters			22+		335
8. Rabbits			335		
9. Non-Human Primates					
10. Sheep					
11. Pigs					
12. Other Farm Animals					
13. Other Animals			1		
	+		+		
					

ASSURANCE STATEMENTS

- 1) Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.
- 2) Each principal investigator has considered alternatives to painful procedures.
- 3) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the this requiry is surround to the standards and regulations under the Pot, and it has required that exceptions to the standards and regulations and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all the exceptions is attached to this annual report. In principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all the exceptions is attached to this annual report. In addition to identifying the IACUC-approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.
- 4) The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use.

4)	CERTIFICATION BY HEADQUARTERS RESEARCH FACILITY OFFICIAL (Chief Executive Officer or Legally Responsible Institutional official) (Chief Executive Officer or Legally Responsible Institutional official) (I U.S.C. Section 2143) NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)	DATE SIGNED 10/31/03
	PAR	1 - HEADQUARTERS

APHIS FORM 7023 (AUG 91)

(Replaces VS FORM 18-23 (Oct 88), which is obsolete

APHIS Form 7023 Site List

The following sites have been reported by the facility.

Registration Number:

91-R-0033

Customer Number:

1031

Facility:

ZYMOGENETICS, INC.

1201 & 1208 EASTLAKE AVENUE EAST

SEATTLE, WA 98102

(206) 442-6775

ZYMOGENETICS, INC. 1201 EASTLAKE AVE. E./1208 EASTLAKE AVE.E. SEATTLE, WA 98102

10/9/03 Aris

0180-DOA-AN

UNITED STATES	DEPARTMENT OF	AGRICULTURE
ANIMAL AND PLA	NT HEALTH INSPE	CTION SERVICE
ANIMAL AND PLA	AL LIEVE LILLIAGE F	

1. REGISTRATION NO. 91-R-0036

CUSTOMER NO. 1032

FORM APPROVED OMB NO. 0579-0036

ANNUAL REPORT OF RESEARCH FACILITY

(TYPE OR PRINT)

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA, include Zip Code) SEATTLE BIOMEDICAL RES. INST.

4 NICKERSON STREET, SUITE #200 SEATTLE, WA 98109 (206) 284-8846

			1	(200) 201 00 10	
		ware housed or used in a	ctual research, testing, teaching,	or experimentation, or held for these purposes. Attach addi	tional
3. REPORTING FACILITY (List al	l locations where animals t	MAIS HOUSED OF COOL HIS			
sheets if necessary.)		F/	ACILITY LOCATIONS(sites)		
See Attached Listing					
FOR PERIOD 10/1	/2002-9/30/2	003			
TOR TERTOD TOTE					
			(August and distance abouts if pages	sary or use APHIS FORM 7023A)	000
REPORT OF ANIMALS USED BY	OR UNDER CONTROL O	F RESEARCH FACILITY	(Attach additional sheets in neces	E. Number of animals upon which teaching.	F.
A. Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes.	C. Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.	experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be attached to this report)	TOTAL NO. OF ANIMALS (Cols. C + D + E)
4. Dogs					

NO USDA-COVERED ANIMALS USED DURING THIS PERIOD

ASSURANCE STATEMENTS

5. Cats

6. Guinea Pigs

7. Hamsters 8. Rabbits

10. Sheep 11. Pigs

9. Non-Human Primates

12. Other Farm Animals

13. Other Animals

- 1) Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during. and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.
- 2) Each principal investigator has considered alternatives to painful procedures.
- 3) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all the exceptions is attached to this annual report. In addition to identifying the IACUC-approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.
- 4) The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other

aspects of animal care	CEDITICICATION	BY HEADQUARTERS RESEARCH FACILITY OFFICIAL	
	(Chief Executive	e Officer or Legally Responsible Institutional Official)	DATE SIGNED
SIG	L	NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)	DATE GIONES
		ļ	10/1/03
	(Benjame VS EOPMER-73 (Oct 88)	PART 1	- HEADQUARTERS

APHIS FORM 7023 (AUG 91)

(Replaces VS FORM 18-23 (Oct 88), which is obsolete

Interagency Report Control No 0180-DOA-AN

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE 1. REGISTRATION NO. 91-R-0037

CUSTOMER NO. 1033

FORM APPROVED OMB NO. 0579-0036

ANNUAL REPORT OF RESEARCH FACILITY

(TYPE OR PRINT)

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA, include Zip Code)

ICOS CORPORATION 22021 - 20TH AVENUE SE BOTHELL, WA 98021

sheets if necessary.)			CILITY LOCA	TIONS/sites			
		F.A.	CILITY LOCA	TIONS(SILES)			
OS CORPORATION OTHELL, WA 98021							
PORT OF ANIMALS USED BY O	TO SOUTH OF	DESEARCH FACILITY	(Attach additio	nal sheets if neces	sary or use	APHIS FORM 7023A)	
PORT OF ANIMALS USED BY O Animals Covered By The Animal Welfare Regulations	B. Number or animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such	C. Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	which ex- teaching surgery, conducte accompa- distress and for vanesther	of animals upon periments, , research, or tests were ed involving snying pain or to the animals which appropriate tic, analgesic, or zing drugs were	exper condu to the anesi have interr expe	er of animals upon which teaching, iments, research, surgery or tests were ucted involving accompanying pain or distress animals and for which the use of appropriate thetic, analgesic, or tranquilizing drugs would adversely affected the procedures, results, or retation of the teaching, research, riments, surgery, or tests. (An explanation of rocedures producing pain or distress in these als and the reasons such drugs were not used to be attached to this report)	TOTAL NO.
	purposes.	4					4
. Dogs i. Cats							of seed of Animals
i. Guinea Pigs		97					
7. Hamsters		20	 				
3. Rabbits		ļ			-		
Non-Human Primates					+		
10. Sheep					+		
11. Pigs	ļ				+		
12. Other Farm Animals					1		
13. Other Animals					-		
		1	+				
ASSURANCE STATEMENTS							to during

- Each principal investigator has considered alternatives to painful procedures.
- 3) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all the exceptions is attached to this annual report. In addition to identifying the IACUC-approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.
- 4) The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use.

 The attending veterinarian for this research facility has appropriate aspects of animal care and use. 	aumony to assure the protection of the protectio	
CERTIFICATION	BY HEADQUARTERS RESEARCH FACILITY OFFICIAL Officer or Legally Responsible Institutional official) Officer or Legally Responsible (7 U.S.C. Section 2143)	
i certify that the	above is true, correct, and complete (7 U.S.C. Section 2143) NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)	DATE SIGNED
SIGNATURE OF C.E.O. OR INSTITUTIONAL OFFICIAL	NAME & TILE OF C.E.O. OR INSTITUTE	10/10/2003
	PART 1 - H	EADQUARTERS

Interagency Report Control No 0180-DOA-AN

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE 1. REGISTRATION NO. 91-R-0038

include Zip Code)

CUSTOMER NO. 1034

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA,

FORM APPROVED OMB NO. 0579-0036

ANNUAL REPORT OF RESEARCH FACILITY

(TYPE OR PRINT)

purposes.

20004 HAPPY VALLEY RD.

STANWOOD, WA 98292 (360) 652-7157

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional sheets if necessary.) FACILITY LOCATIONS(sites) See Attached Listing lab room REPORT OF ANIMALS USED BY OR UNDER CONTROL OF RESEARCH FACILITY (Attach additional sheets if necessary or use APHIS FORM 7023A E. Number of animals upon which teaching, Number of animals upon B. Number of Number of experiments, research, surgery or tests were conducted involving accompanying pain or distress which experiments animals being animals upon TOTAL NO. teaching, research, which teaching, OF ANIMALS bred, **Animals Covered** to the animals and for which the use of appropriate surgery, or tests were conditioned, or By The Animal research. anesthetic, analgesic, or tranquilizing drugs would conducted involving experiments, or held for use in Welfare Regulations (Cois. C+ have adversely affected the procedures, results, or teaching, testing, accompanying pain or tests were D + E) interpretation of the teaching, research, distress to the animals experiments, conducted experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these and for which appropriate involving no research, or anesthetic, analgesic, or pain, distress, or surgery but not animals and the reasons such drugs were not used tranquilizing drugs were yet used for such use of painmust be attached to this report)

relieving drugs.

2 6. Guinea Pigs 7. Hamsters 5710 8. Rabbits 9. Non-Human Primates 10. Sheep

12. Other Farm Animals 13. Other Animals

ASSURANCE STATEMENTS

4. Dogs

5. Cats

11. Pigs

- 1) Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.
- 2) Each principal investigator has considered alternatives to painful procedures.
- 3) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all the exceptions is attached to this annual report. In addition to identifying the IACUC-approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.
- 4) The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other

aspects of animal care and use.		
	CERTIFICATION BY HEADQUARTERS RESEARCH FACILITY OFFICIAL (Chief Executive Officer or Legally Responsible Institutional official) I certify that the above is true, correct, and complete (7 U.S.C. Section 2143)	
	NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)	DATE SIGNED
	<u> </u>	10-2503
	38), which is obsolete PART 1	- HEADQUARTERS

(AUG BI)

APHIS Form 7023 Site List

The following sites have been reported by the facility.

Registration Number:

91-R-0038

Customer Number:

1034

Facility:

20004 HAPPY VALLEY RD. STANWOOD, WA 98292

(360) 652-7157

R & R RABBITRY 20004 HAPPY VALLEY RD. STANWOOD, WA 98292 This report is required by law (7 USC 2143). Failure to report according to the regulations can result in an order to cease and desist and to be subject to penalties as provided for in Section 2150. See reverse side for additional information. Interagency Report Control No 0180-DOA-AN

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE 1. REGISTRATION NO. 91-R-0042

CUSTOMER NO. 1035

FORM APPROVED OMB NO. 0579-0036

ANNUAL REPORT OF RESEARCH FACILITY

(TYPE OR PRINT)

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA, include Zip Code) REPRODUCTIVE ASSAYS LAB.

502 SOUTH M ST. #300 TACOMA, WA 98405

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional FACILITY LOCATIONS (sites) sheets if necessary.) REPRODUCTIVE ASSAYS LAB. TACOMA, WA 98405 REPORT OF ANIMALS USED BY OR UNDER CONTROL OF RESEARCH FACILITY (Attach additional sheets if necessary or use APHIS FORM 7023A) E. Number of animals upon which teaching. experiments, research, surgery or tests were TOTAL NO. C. Number of B. Number of conducted involving accompanying pain or distress which experiments OF ANIMALS animals upon to the animals and for which the use of appropriate animals being teaching, research, which teaching. anesthetic, analgesic, or tranquilizing drugs would surgery, or tests were conducted involving Animals Covered bred. conditioned, or research. (Cols. C+ have adversely affected the procedures, results, or By The Animal experiments, or D + E) interpretation of the teaching, research, held for use in accompanying pain or Welfare Regulations tests were experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these teaching, testing, distress to the animais conducted experiments. and for which appropriate animals and the reasons such drugs were not used involving no anesthetic, analgesic, or research, of pain, distress, or surgery but not tranquilizing drugs were must be attached to this report) use of painyet used for such used. relieving drugs. purposes. 4. Dogs 5. Cats 83 6. Guinea Pigs 83 31 7. Hamsters 8. Rabbits 9. Non-Human Primates 10. Sheep 11. Pigs 12. Other Farm Animals 13. Other Animals

ASSURANCE STATEMENTS

- 1) Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.
- 3) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the sims requiry is admening to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the institutional Animal Care and Use Committee (IACUC). A summary of all the exceptions is attached to this annual report. In addition, to identifying the IACUC approach as a specified at the careful and approach as a specified and approach as a specified at the careful and approach and approach as a specified at the careful and approach as a specified at the carefu principal investigator and approved by the institutional Animal Care and use committee (IACUC). A summary or all the exceptions is attached to this animal report, if addition to identifying the IACUC-approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.
- 4) The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other

	Social to identify a	has appropriate	a suthority to ensure the provision of education	
	 The attending veterinarian for this rese aspects of animal care and use. 	arch facility has appropriet	e authority to ensure the provision of account to account the provision of account to account the provision of account to account to account the provision of account to account the account to account the provision of account to account the provision of account to account the account to accoun	
•	aspects of arither our of	CERTIFICATION	BY HEADQUARTERS RESEARCH FACILITY OFFICIAL re Officer or Legally Responsible Institutional official) re Officer or Legally Responsible (7 U.S.C. Section 2143)	
١		(Chief Executiv	e above is true, correct, and complete (7 U.S.C. Section 2143)	DATE SIGNED
	SIGNATURE OF C.E.O. OR INSTITUT		e above is true, correct, and complete (7 0.3.0. Geotetis 1977) NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)	10/01/2003
	SIGNATORIE D. S.			1 - HEADQUARTERS
			PART	1 - MENDOON (IEIG

Interagency Report Control No 0180-DOA AN 0180-DOA-AN

FORM APPROVED OMB NO. 0579-0036

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE

ANNUAL REPORT OF RESEARCH FACILITY

(TYPE OR PRINT)

CUSTOMER NO. REGISTRATION NO. 1036 91-R-0043

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA, include Zip Code)

BIO RES. LABORATORIES, INC. 2897 152ND AVE. NE REDMOND, WA 98052 (425) 869-4224

•	(425) 608-4224
	the control of the sequences and additional
3. REPORTING FACILITY (List all locations where animals were housed or used in actual research,	testing, teaching, or experimentation, or need for triese purposes.
TERRETING FACILITY (List all locations where animals were housed or used in actual resources,	
3. REPORTING FACILITY (COLONIAL COLONIAL COLONIA	
sheets if necessary.)	
FACILITY LOCA	(1 Magazes)

See Attached Listing

A. Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes.	C. Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.	E. Number of animals upon which teaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be attached to this report)	TOTAL NO. OF ANIMALS (Cols. C + D + E)
4. Dogs					
5. Cats					10
6. Guinea Pigs	10				10
7. Hamsters					3
8. Rabbits	3				3
9. Non-Human Primates					
10. Sheep					
11. Pigs					
12. Other Farm Animals		-			
13. Other Animals					3,100_
Fish	3,100				58
Rats	58		 		140
Mice	140			Winds down prior	

- 1) Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility. ASSURANCE STATEMENTS
 - 2) Each principal investigator has considered alternatives to painful procedures.
 - 3) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations under the Act, and it has required that exceptions is attached to this annual report. In principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all the exceptions is attached to this annual report. In addition to identifying the IACUC-approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.
 - 4) The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other

aspects of animal care and use.	DESCRIPCH FACILITY OFFICIAL	
(Chief Executive	Officer or Legalty Responsible Institutional official) above is true, correct, and complete (7 U.S.C. Section 2143)	- CONTR
	NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)	DATE SIGNED
SIGNATURE OF CEO OR INSTITUTIONAL OFFICIAL	NAME & HILE OF GLESS STATES AND	11/21/03
	PART 1 ·	HEADQUARTERS

APHIS FORM 7023 (AUG 91)

(Replaces vo rund 18-23 (Oct 88), which is obsolete

lis is original Trave was locaced in. 11.21.03.

Interagency Report Control No 0180-DQA-AN

UNITED STATES DEPARTMENT OF AGRICULTURE
ANIMAL AND PLANT HEALTH INSPECTION SERVICE

1. REGISTRATION NO. CUSTOMER NO. 91-R-0048 1281

FORM APPROVED OMB NO. 0579-0036

ANNUAL REPORT OF RESEARCH FACILITY

(TYPE OR PRINT)

sheets if necessary.)

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA, include Zip Code)

CONTROL BHARMACEUTICALS, INC.

SONUS PHARMACEUTICALS, INC. 22028 20TH AVENUE SE BOTHELL, WA 98021

SONUS PHARMACEUTICALS BOTHELL, WA 98021	s, INC.				
REPORT OF ANIMALS USED BY	OR LINDER CONTROL O	F RESEARCH FACILITY	/ (Attach additional sheets if neces	Bary or use APHIS FORM 7023A)	
A. Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes.	C. Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relleving drugs.	D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgosic, or tranquilizing drugs were used.	E. Number of animals upon which teaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be attached to this report)	F. TOTAL NO. OF ANIMALS (Cols. C + D + E)
4. Dogs					
5. Cats					
6. Guinea Pigs					
7. Hamsters					
8. Rabbits					
9. Non-Human Primates					
10. Sheep					
11. Pigs					
12. Other Farm Animals					
13. Other Animals					
	1				1

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional

FACILITY LOCATIONS(s/es)

- Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.
- 2) Each principal investigator has considered alternatives to painful procedures.
- 3) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all the exceptions is attached to this annual report. In addition to identifying the IACUC-approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.
- 4) The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use.

CERTIFICATION BY HEADQUARTERS RESEARCH FACILITY OFFICIAL (Chief Executive Officer or Legally Responsible Institutional official) I certify that the above is true, correct, and complete (7 U.S.C. Section 2143)				
SIGNATURE OF C.E.O. OR INSTITUTIONAL OFFICIAL	NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)	DATE SIGNED		
		11/06/2003		

ASSURANCE STATEMENTS

Interagency Report Control No 0180-DOA-AN

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE

CUSTOMER NO. 1. REGISTRATION NO. 91-R-0051

FORM APPROVED OMB NO. 0579-0036

ANNUAL REPORT OF RESEARCH FACILITY

(TYPE OR PRINT)

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA, include Zio Code)

1722

YAKIMA VALLEY COMMUNITY COLLEGE P.O. BOX 22520 YAKIMA, WA 98907 (509) 574-4600

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional sheets if necessary.)

FACILITY LOCATIONS(stes) See Attached Listing

A. Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes.	C. Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, teaching, research, surpery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.	E. Number of animals upon which teaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate aneathetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the research such drugs were not used must be attached to this report)	F. TOTAL NO. OF ANIMALS (Cots. C + D + E)
4. Dogs	0	75	103	0	178
5. Cats	0	77	51	0	128
6. Guinea Pigs	0	0	0	0	0
7. Hamsters					0
8. Rabbits					0
9. Non-Human Primates					0
10. Sheep					0
11. Pigs					0
12. Other Farm Animals					
13. Other Animals					
ASSURANCE STATEMENTS			<u> </u>		<u> </u>

- Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anesthetic, analyseic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.
- 2) Each principal investigator has considered alternatives to painful procedures.
- 3) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the institutional Animal Care and Use Committee (IACUC). A summary of all the exceptions is attached to this annual report. In addition to identifying the IACUC-approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.
- 4) The attending veterinarism for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of enimal care and use.

CERTIFICATION BY HEADQUARTERS RESEARCH FACILITY OFFICIAL	L
(Chief Executive Officer or Legally Responsible Institutional official)	
I certify that the above is true, correct, and complete (7 U.S.C. Section 2143)	

SIGNATURE OF C.E.O. OR INSTITUTIONAL OFFICIAL

I NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)

DATE SIGNED

アルアコルラ TURM イリムシ (AUG 91)

(Replaces VS FORM 15-23 (Oct 55), which is obsolete

PAKI 1 - HEADQUARTERS

Customer ID and Site Address:

ID: 1722 1107 S 14th Ave Technology Complex Veterinary Technology Program Yakima WA 98902 County: Yakima

Telephone: (509) 574-4759

Interagency Report Control No 0180-DOA-AN

FORM APPROVED

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE

1. REGISTRATION NO. 91-R-0052

ANNUAL REPORT OF RESEARCH FACILITY

1822 OMB NO. 0579-0038 2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA, include Zip Code)

CUSTOMER NO.

(TYPE OR PRINT)

SKELE TECH 22002 26TH AVE, SE; STE 104...

BOTHELL, WA 98021 3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional sheets if necessary.) FACILITY LOCATIONS (S/res) SKELE TECH **BOTHELL, WA 98021**

A.	B. Number of	C. Number of	D. Number of animals upon	saary or use APHIS FORM 7023A)	
Animals Covered By The Animal Welfare Regulations	animate being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes.	animats upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animels and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.	E. Number of animals upon which teaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be attached to this report).	F. TOTAL NO. OF ANIMALS (Cols. C + D + E)
4. Dogs					-
5. Cats					"
6. Guinea Pigs					
7. Hamsters					
8. Rabbits			10		10
9. Non-Human Primates					
10. Sheep					
11. Pigs					
12. Other Farm Animals					
13. Other Animals					

- Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anesthetic, analysesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.
- 2) Each principal investigator has considered alternatives to painful procedures.
- 3) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the institutional Animal Care and Use Committee (IACUC). A summary of all the exceptions is attached to this annual report. In addition to identifying the IACUC-approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.
- 4) The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use.

I certify that the above is true, correct, and complete (7 U.S.C. Section 2143) SIGNATURE OF C.E.O. OR INSTITUTIONAL OFFICIAL NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)	
DA	DATE SIGNED
1	11/05/2003

(AUG 91)

(Replaces VS FORM 18-23 (Oct 88), which is ober

PART 1 - HEADQUARTERS

Interagency Report Control No:

ОМВ

desist and to be subject to penalties as provided for in Section 215			See Attached form for additional information Intera		
UNITED STATES DEPARTMENT OF AGRICULTURE AND PLANT HEALTH INSPECTION SERVICE	ANIMAL	1	CERTIFICATE NUMBER: 91-R-0053 CUSTOMER NUMBER: 11124	FORM APPROVED NO. 0579-0036	
Annual Report of Research Facility (Type or Print)		2	SNBL USA, Ltd 6605 Merrill Creek Parkway Everett, WA 98203 Telephone: (425) 407-0121		

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, or experimentation, or held for these purposes. Attach additional sheets if necessary.

FACILITY LOCATIONS (Sites) - See Attached Listing

REPORT	OF ANIMALS USED BY OR	UNDER CONTROL OF	RESEARCH FACILITY (ATTACH	ADDITIONAL SHEETS IF NECESSARY OR USE aphie	s Form 7023A)
A. Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes	C. Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs	D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for whichappropriate anesthetic, analgesic, or tranquillzing drugs were used.	E. Number of animals upon which teaching, experiments, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing would have adversly affected the procedures, research, or interpretation of the teaching, research, experiments, surgery, or tests (An explanation of the procedures producing pain or distress in these animals and the reason drugs were not used must be attached to this report.	F. Total Number of Animals (Columns C+D+E)
4 Dogs					
5 Cats			·		
6 Guinea Pigs					
7 Hamsters					
8 Rabbits		20		·	20
9 Non-Human Primates	1354	455	1223	0	1678
10 Sheep					
11 Pigs					
12 Other Farm Animals					
13 Other Animals	·				

ASSURANCE STATEMENTS

- Professionally acceptable standards governing care, treatment, and use iof animals, including appropriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimation were followed by this research facility.
- Each Principal Investigator has considered alternatives to painful procedures.
- This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal I 3) investigator and appropriate institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC-approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.
- The attending Veterinarian for this reseach facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use.

CERT	ICATION BY HEADQUARTERS RESEARCH FACILIT	Y OFFICIAL
------	--	------------

SIGNATURE OF C

APHIS FORM 702 (AUG 91)

Interagency Report Control No.

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE

1. REGISTRATION NO. 91-R-0054

CUSTOMER NO. 15097

FORM APPROVED OMB NO. 0579-0036

ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT)

include Zio Code)

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA, TRIPLE J FARMS & KENT LABS

777 JORGENSEN PLACE BELLINGHAM, WA 98226 (360) 398-9512

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional sheets if necessary.)

FACILITY LOCATIONS(sites) See Attached Listing At above location onl

	brad, conditioned, or held for use in teaching, teating, experiments, research, or surgery but not yet used for such purposes.	enimate upon which teaching, research, experiments, or teats were conducted involving no pain, distress, or use of pain-relieving drugs.	which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquillizing drugs were used.	experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquillzing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons auch drugs were not used must be attached to this report)	TOTAL NO. OF ANIMALS (Cols. C + D + E)
4. Dogs					
5. Cats					
6. Guinea Pigs					
7. Hamsters					
8. Rabbits	4	5			5
9. Non-Human Primates					
10. Sheep		5			5
11. Pigs					
12. Other Farm Animals					
<u> </u>	7	7			7
13. Other Animals					
			 '		
		ļ	<u> </u>		

- 1) Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.
- Each principal investigator has considered alternatives to painful procedures.
- 3) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the institutional Animal Care and Use Committee (IACUC). A summary of all the exceptions is attached to this annual report. In addition to identifying the IACUC-approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.
- 4) The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other

DATE SIGNED **IEADQUARTERS**

APHIS Form 7023 Site List

The following sites have been reported by the facility.

Registration Number:

91-R-0054

Customer Number:

15097

Facility:

TRIPLE J FARMS & KENT LABS

777 JORGENSEN PLACE BELLINGHAM, WA 98226 (360) 398-9512

TRIPLE J FARMS & KENT LABS 777 JORGENSEN PLACE BELLINGHAM, WA 98226

TRIPLE J FARMS & KENT LABS 777 JORGENSEN PLACE BELLINGHAM, WA 98226

This report is required by law (7 USC 2143).	Fallure to report according	to the regulations can
result in an order to cease and desist and to	be subject to penalties as	provided for in Section 2150.

Interspency Report Control No. 3 0180-DOA-AN

UNITED STATES DEPARTMENT OF AGRICULTURE
ANIMAL AND PLANT HEALTH INSPECTION SERVICE

 REGISTRATION NO 91-R-0055 CUSTOMER NO. 10011

FORM APPROVED OMB NO. 0579-0036

ANNUAL REPORT OF RESEARCH FACILITY

See Attached Listing

, (TYPE OR PRINT) ORIXA SEATTLE HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA, include Zip Code)

CORIXA CORPORATION 1124 COLUMBIA STREET, SUITE 200

SEATTLE, WA 98194 (40673839215 (206) 754577/

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional sheets if necessary.)

FACILITY LOCATIONS(sites)

DEATTLE This Sheet JONTANA Next AME *200* REPORT OF ANIMALS USED BY OR UNDER CONTROL OF RESEARCH FACILITY (Attach additional sheets If necessary or use APHIS FORM 7023A.) D. Number of animals upon C. Number of enimels upon E. Humber of enimels upon which teaching. Number or aimmes up which experiments, teaching, research, surgery, or tests were conducted involving animals being experiments, research, surgery or tests were conducted involving accompanying pain or distress Animals Covered bred, which teaching. TOTAL NO. By The Animal Welfere Regulations conditioned, or to the entrels and for which the use of appropriate anesthetic, analgesic, or tranquitizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these research, OF ANIMALS held for use in experiments, or tests were teaching, teating, experiments, accompanying pain or distress to the enimals (Cols. C+ conducted D + E) involving no pain, distress, or use of painsearch, or and for which appropriate surgery but not yet used for such anesthetic, analgesic, or animals and the reasons such drugs were not used must be attached to this report) tranquilizing drugs were DUIDOGGS. relieving drugs. 4. Dogs 5. Cats 6. Guinea Pigs 5 7. Hamsters A Rabbite 9. Non-Human Primates 10. Sheep 11. Pigs 12. Other Farm Animals 13. Other Animals **ASSURANCE STATEMENTS**

- Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anesthetic, analysisic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.
- 2) Each principal investigator has considered alternatives to painful procedures.
- 3) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the institutional Animal Care and Use Committee (IACUC). A summery of all the exceptions is attached to this annual report, in addition to identifying the IACUC-approved exceptions, this summery includes a brief explanation of the exceptions, as well as the species and number of animals affected.
- The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use.

salvace of matter card	eno use.	• •
BIGNATURE OF C.F.O.	CERTIFICATION BY HEADQUARTERS RESEARCH FACIL (Chief Executive Officer or Legally Responsible Instituti) certify that the above is true, correct, and complete (7 U.S.C. See INSTITUTIONAL CERTIFICATION AND CERTI	lonal official)
SIGNATURE OF C.E.O. C	R INXTITITIONAL RELIGIAL LARGE & THE SAPE A ARTHUMAN	DATE SIGNED ペンソく3
(AUG 91)	(Replaces VS FORM 18-23 (Oct 88), which is obsolete	PART 1 - HEADQUARTERS

Interagency Report Control No. 3 43.0180-DOA-AN

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE

1. REGISTRATION NO. 91-R-0056

CUSTOMER NO. FORM APPROVED 20493

ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT)

OMB NO. 0579-0036

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA. include Zip Code)

THE INSTITUTE FOR SYSTEMS BIOLOGY 1441 N. 34TH STREET SEATTLE, WA 98103

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional sheets if necessary.)

FACILITY LOCATIONS(stee)

1441 N. 34th Street

SEMULE VILA OSIAZ

REPORT OF ANIMALS USED BY A. Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes.	C. Number of enimels upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.	E, Number of animals upon which teaching, experiments, research, surgery or tests were conducted involving accompanying palin or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the researcs such drugs were not used must be attached to this report)	F. TOTAL NO. OF ANIMALS (Cols. C + D + E)
4. Dogs	0	Ø	Ø	Ø	Ø
5. Cats	D	Ø	6	Ø	0
6. Guinea Pigs	D	Ø	.0	Ø	0
7. Hamsters	D	O	Ď	Ø	0
8. Rabbits	Ø	Ø	Ø	б	Ø
9. Non-Human Primates	Ø	Ø	6	Ø	-0
10. Sheep	A	Ø		6	D
11, Pigs	8	Ø	Ø	6	0
12. Other Farm Animals	D	Ø	ø	'φ	Ø
13. Other Animals	Ð	ø	φ	\$	Ð

- Professionally acceptable standards governing the care, treatment, and use of enimels, including appropriate use of enesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.
- 2) Each principal investigator has considered alternatives to painful procedures.
- 3) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the institutional Animal Care and Use Committee (IACUC). A summary of all the exceptions is attached to this annual report. In addition to identifying the IACUC-approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.

4)	The attending veterinarian for this research facility has appropri	the authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other
	aspects of animal care and use.	call Alloaked cleat

-,	5 50 75-75 (2007)	
	CERTIFICATION BY HEADQUARTERS RESEARCH FACILITY OFFICIAL	
	(Chief Everythe Officer or Legaliu Decressible Institutional efficiety	
9		
la		DATE SIGNED
		[-1/.
ļ		\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\
A		
(AUG 91)	Company of Louisia 1999 (Orth GO) within the Company	FART 1 - HEADQUARTERS
(Apa si)		

Interagency Report Control No 0180-DOA-AN

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE 1. REGISTRATION NO. 91-R-0057

CUSTOMER NO. 23329

FORM APPROVED OMB NO. 0579-0036

ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT)

include Zip Code)

SOUND PHARMACEUTICALS, INC. 4010 STONE WAY N SUITE 120 SEATTLE, WA 98155

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA.

REPORTING FACILITY (List all locations where animals were housed or used in actual research, sheets if necessary.)	testing, teaching, or experimentation, or held for these purposes. Attach additional
FACILITY LOCA	TIONS(altes)

A. Animals Covered By The Animal Weffare Regulations	8. Number of enimals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes.	C. Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.	Esary or use APHIS FORM 7023A) E. Number of animals upon which teaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, anelgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be attached to this report)	F. TOTAL NO. OF ANIMALS (Cols. C + D + E)
4. Dogs					
5. Cats					
6. Guinea Pigs			24		24
7. Harnsters					
8. Rabbits					
9. Non-Human Primates					
10. Sheep					
11. Pigs					
12. Other Farm Animals					
13. Other Animals					
				1	

- Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anesthetic, analgesic, and tranquillizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.
- 2) Each principal investigator has considered alternatives to painful procedures.
- 3) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the institutional Animal Care and Use Committee (IACUC). A summary of all the exceptions is attached to this annual report. In addition to identifying the IACUC-approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals effected.
- 4) The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use.

(Chief Executive	BY HEADQUARTERS RESEARCH FACILITY OFFICIAL PE Officer or Legally Responsible Institutional official) Be above is true, correct, and complete (7 U.S.C. Section 2143)	
SIGNATURE OF C.E.O. OR INSTITUTIONAL OFFICIAL	NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)	DATE SIGNED
	•	10/27/2003
ADUIG EADM TAGS		

(AUG 91)

APHIS Form 7023 Additional Reported Sites

The following additional sites have been reported by the facility. The reported sites have not been verified by APHIS and have been provided by the facility solely for completeness of the APHIS Form 7023 Annual Reporting submission.

Registration Number:

91-R-0057

Customer Number:

23329

Facility:

SOUND PHARMACEUTICALS, INC. 4010 STONE WAY N SUITE 120 SEATTLE, WA 98155

The Institute for Systems Biology 1441 North 34th Street Seattle, WA 98103-8904

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE

1. REGISTRATION NO. 91-V-001

FORM APPROVED OMB NO 0579-0036

ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT)

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA, include Zip Code,

Department of Veterans Affairs Headquarters 810 Vermont Avenue NW Washington, DC 20420

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional sheets (I necessary.)

FACILITY LOCATIONS (Sites)

663-VA Puget Sound Health Care System

1660 S. Columbian Way

A. Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes.	C Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.	E. Number of animals upon which feaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be attached to this report).	F. TOTAL NO. OF ANIMALS (Cols. C + D + E)
4. Dogs	0	3	15		18
5. Cats	0	0	0		0
6. Guinea Pigs	5	0	67		67
7. Hamsters	0	0	0		0
8. Rabbits	21	3	35		38
9. Non-human Primates	0	0	0		0
10. Sheep	0	0	61		61
11. Pigs	0	0	0		0
12. Other Farm Animals	0	0	0		0
13. Other Animals					

- Professionally acceptable standards governing the care, treatment, and use of animals, including approriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.
- 2). Each principal investigator has considered alternatives to painful procedures
- 3) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC-approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.
- 4) The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use.

NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)

CERTIFICATION BY HEADQUARTES RESEARCH FACHATY OFFICIAL
(Chief Executive Officer or Legally Responsible Institutional Official)
Legitly that the above is true, correct, and complete (7 U.S.C. Section 2143)

DATE SIGNED

11-2-03

APHIS FORM 7023 (AUG 91)

SIGNATURE OF C.E.O. OR INSTITUTIONAL OFFICIAL

(Replaces VS FORM 18-23 (OCT 88), which is obsolete)